

**INFINITE
ROBOTICS**



FLEXWELD COBOT WELDING SYSTEMS

Flexible, easy-to-use robotic welding
systems. Designed and built in Australia.

A Smarter Way to Weld

The FlexWeld system is a ready-to-use robotic welding workstation designed to help fabrication businesses increase output, improve weld consistency, and reduce reliance on hard-to-find skilled welders.

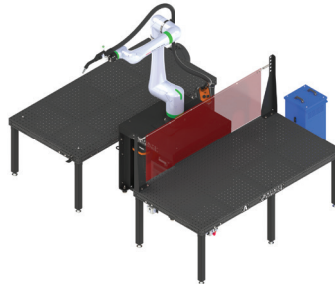
The system arrives fully built and tested. We install it, train your team, and have you welding production parts from day one.

Its dual-station design means the robot keeps welding while your operator loads the next job — keeping productivity high and downtime low.

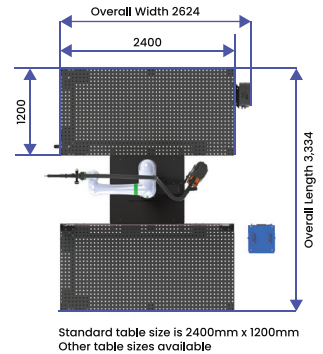


What You Gain

- ✓ More parts welded per day
- ✓ Consistent weld quality
- ✓ Reduced rework
- ✓ Less pressure finding skilled welders
- ✓ Faster turnaround for customer jobs
- ✓ Easy for existing staff to learn



Cobot Dual Station Compact



FlexWeld System Overview

Robot Platform

FANUC CRX collaborative robot designed for safe operation alongside people.

Workstations

Dual welding tables allowing welding on one side while loading on the other.

System Construction

All equipment mounted to a heavy-duty steel frame. Fully wired and factory tested before delivery.

Welding Technology

Advanced MIG systems from Fronius or Kemppi for steel, stainless, and aluminium.

Controls

Simple operator push-button controls at each station.

Delivery Scope

Installation, commissioning, and hands-on operator training included.

Options Available

Synchronised welding positioners, linear tracks, plasma cutting, laser welding, Fume extraction, offline programming, and advanced sensing technologies.

Standard Specifications

Cobot Model	FANUC CRX-30iA
Cobot Reach	1,889mm
Programming Method	Manual Guided Teach or Offline Programming
Working area without linear track	Up to 2,400mm x 1,200mm
Welding Process	MIG, TIG, Laser
Plasma Cutting	Optional Hypertherm PowerMax
Welding Positioners	Optional single axis or dual axis up to 500kg
Linear Tracks	Optional with custom travel lengths
Fume Extraction	Optional fume hood or torch mounted

Case Study 01

Aluminium Welding Made Consistent

Problem

Customer needed to weld aluminium parts with high quality and consistent results for critical components.

Solution

Australian Made FlexWeld single-station cobot welding system with a FANUC CRX25iA collaborative robot integrated with a Fronius CMT system offering advanced capabilities for welding thin aluminium components with superior control and precision. This flexible cobot welding cell is capable of fast part changeover using quick-swap fixtures and easy programming.

Outcome

Consistent

quality for critical components

Improved

productivity and workflow

Reduced

rework

Allowed

their skilled welders to tackle other



Case Study 02

Keeping Production Moving Despite

Problem

Tight deadlines, varied pipe sizes, and difficulty maintaining output.

Solution

Australian Made FlexWeld dual-station cobot welding system with a FANUC CRX10iA/L collaborative robot integrated with a Kemppi AX pulse MIG with stainless capability. This flexible cobot welding cell is capable of fast part changeover using quick-swap fixtures and easy programming.

Outcome

40-60%

reduction in production time

Higher

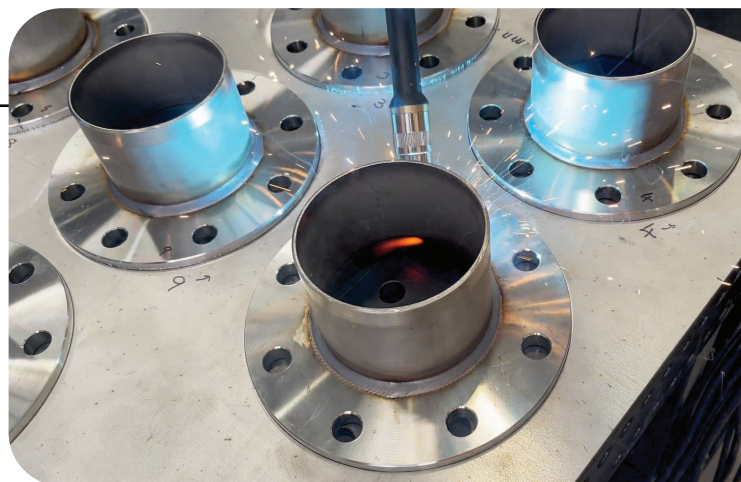
daily output with same staff

Less

operator fatigue

Improved

weld consistency





YOUR PARTNER IN ROBOTIC WELDING

Infinite Robotics is an Australian engineering company that designs, builds, and supports robotic welding systems. We help manufacturers increase output, improve consistency, and reduce their reliance on hiring more skilled welders.

Why That Matters to You

- ✓ Systems engineered and assembled in Australia
- ✓ Supported by the same team who built it
- ✓ No overseas service delays
- ✓ Faster support, less risk

What we Deliver

- ✓ Weld feasibility testing
- ✓ System design and build
- ✓ Installation and training
- ✓ Ongoing local support

Proudly Australian Made

When you invest in FlexWeld, you're investing in uptime, reliability, and support from people who understand Australian manufacturing.

